

AMENDMENTS TO THE CLAIMS

This claim listing replaces all prior versions, and listings, of claims in the application:

1. (Canceled).
2. (Currently Amended) A V-belt continuously variable transmission comprising:
 - an input shaft;
 - an output shaft;
 - a primary pulley that is connected to the input shaft and whose groove width is configured to change in accordance with a supplied fluid pressure;
 - a secondary pulley that is connected to the output shaft and whose groove width is configured to change in accordance with a supplied fluid pressure;
 - a V-belt that is wrapped around the primary pulley and the secondary pulley; and
 - a controller that is configured to:
 - compute a pulley ratio maintenance thrust force, which is a thrust force necessary for maintaining a speed ratio, for each of the pulleys;
 - compute a thrust force correction amount for achieving a target speed change speed; and

when the speed ratio is to be increased:

 - set the fluid pressure supplied to the primary pulley to a fluid pressure necessary for ensuring a torque capacity of the V-belt and necessary for maintaining the speed ~~ratio~~, and ratio;
 - set the fluid pressure supplied to the secondary pulley to a fluid pressure that is higher than the fluid pressure necessary for ensuring the torque capacity of the V-belt and necessary for maintaining the speed ratio, thereby attaining the target speed change speed;
 - supply a fluid pressure to the primary pulley corresponding to the pulley ratio maintenance thrust force; and
 - supply a fluid pressure to the secondary pulley corresponding to the sum of the pulley ratio maintenance thrust force and the thrust force correction amount.

3. (Previously Presented) A V-belt continuously variable transmission according to claim 2, wherein the controller is further configured to:

convert the target speed change speed into a pulley stroke speed; and
compute the thrust force correction amount from the pulley stroke speed and the pulley ratio.

4. (Canceled).

5. (Canceled).